

14. (Non-elected) A preparation of pluripotent human embryonic stem cells comprising cells which are negative for the SSEA-1 marker, positive for the SSEA-4 marker, express alkaline phosphatase activity, are pluripotent, and have euploid karyotypes and in which none of the chromosomes are altered.

15. (Non-elected) The preparation of claim 14, wherein the cells are positive for the TRA-1-60, and TRA-1-81 markers.

16. (Non-elected) The preparation of claim 14, wherein the cells continue to proliferate in an undifferentiated state after continuous culture for at least one year.

17. (Non-elected) The preparation of claim 14, wherein the cells will differentiate to trophoblast when cultured beyond confluence and will produce chorionic gonadotropin.

18. (Non-elected) The preparation of claim 14, wherein the cells remain euploid for more than one year of continuous culture.

19. (Non-elected) The preparation of claim 14, wherein the cells differentiate into cells derived from mesoderm, endoderm and ectoderm germ layers when the cells are injected into a SCID mouse

20. (New) The preparation of claim 1 wherein the cells are negative for the SSEA-1 marker, positive for the SSEA-4 marker, and express alkaline phosphatase.